

PATENT

03141-P0449A WWW/DC

Abstract

The invention relates to a method and apparatus for determining a total concentration of a component in a sample, including a reactor for oxidizing or reducing the sample, a chromatographic column coupled to the reactor for separating the component in the sample, and an electrochemical gas sensor coupled to the chromatographic column for detecting the component. In further embodiments, a filter may be used instead of or in addition to the column. Moreover, multiple sensors may be used instead of or in addition to the column for simultaneously detecting multiple components.